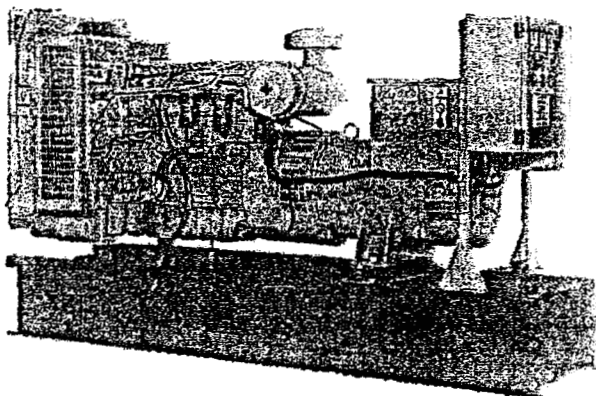


GENERATOR

DIESEL GENERATOR SETS

OLYMPIAN™

Exclusively from your Caterpillar® dealer



STANDBY 90-150 kW
PRIME 82.4-114 kW
60 Hz

Model	Standby kW (kVA)	Prime kW (kVA)
D90P1	90 (112.5)	82.4 (103)
D100P1	100 (125)	90 (112.5)
D100P2*	100 (125)	90 (112.5)
D125P1	125 (156.3)	114 (142.5)
D125P2*	125 (156.3)	114 (142.5)
D150P1	150 (187.5)	N/A

*EPA Approved, Emissions Certified

FEATURES

GENERATOR SET

- Complete system designed and built at ISO 9001 certified facilities
- Factory tested to design specifications at full load conditions

ENGINE

- Governor, electronic (D125P1, D125P2, D150P1)
- Governor, mechanical (D90P1, D100P1, D100P2)
- Electrical system, 12 VDC
- Cartridge type filters
- Battery(s), rack and cables
- Coolant and lube drains piped to edge of base

GENERATOR

- Insulation system, class H
- Drip proof alternator air intake (NEMA 2, IP22)
- Electrical design in accordance with BS5000 Part 99, IEC34-1, VDE0530, UTE51100, NEMA MG-1.22

CONTROL SYSTEM

- 2001 Autostart control panel
- Vibration isolated NEMA 1 enclosure with lockable hinged door
- DC and AC wiring looms

MOUNTING ARRANGEMENT

- Heavy-duty fabricated steel base with lifting points
- Directly mounted 10 dB(A) silencer
- Complete OSHA guarding
- Flexible fuel lines to base with NPT connections
- Anti-vibration pads to ensure vibration isolation
- Stub-up pipe ready for connection to silencer pipework

COOLING SYSTEM

- Radiator and cooling fan complete with protective guards
- Standard ambient temperatures up to 122° F (50° C)

CIRCUIT BREAKER

- UL/CSA listed
- 3-pole with solid neutral
- NEMA 1 steel enclosure, vibration isolated
- Electrical stub-up area directly below circuit breaker

AUTOMATIC VOLTAGE REGULATOR

- Voltage within $\pm 0.5\%$ at steady state from no load to full load
- Provides fast recovery from transient load changes

EQUIPMENT FINISH

- All electroplated hardware
- Anticorrosive paint protection
- High gloss polyurethane paint for durability and scuff resistance

QUALITY STANDARDS

- BS4999, BS5000, BS5514, IEC34, VDE0530, NEMA MG-1.22, NFPA 110 (with optional equipment)

DOCUMENTATION

- Operation and maintenance manuals provided
- Wiring diagrams included

WARRANTY

- 12 months from date of initial start-up or 18 months from shipping, whichever occurs first

Materials and specifications are subject to change without notice.

WHERE THE WORLD TURNS FOR POWER

STANDBY 90 - 150 kW
PRIME 82.4 - 114 kW
60 HZ

OLYMPIAN™

Exclusively from your Caterpillar® dealer

SPECIFICATIONS

GENERATOR

Voltage Regulation $\pm 0.5\%$ at steady state from
no load to full load
Frequency $\pm 0.8\%$ for constant load,
no load to full load
Waveform Distortion THD < 1.8%, at no load
Radio Interference Compliance with BS800 and
VDE Class G&N
Telephone Interference TIF < 50, THF < 2%
Overspeed Limit 2250 rpm
Insulation Class H
Temperature Rise Within Class H limits
Available Voltages 277/480, 266/460, 120/240,
127/220, 120/208, 347/600
Deration Consult factory for available outputs
Ratings At 86° F (30° C), 500 ft. (152.4 m),
60% humidity, 0.8 pf

ENGINE

Manufacturer Perkins
Type 4-Cycle
Cylinder Configuration In-line 6
Displacement — cu in (L) 366 (6.0)
Bore — in (mm) 3.94 (100.0)
Stroke — in (mm) 5.00 (127.0)
Compression Ratio
D90P1, D100P1, D100P2, D125P1, D150P1 16.0:1
D125P2 17.0:1
Governor
Type
D90P1, D100P1, D100P2 Mechanical
D125P1, D125P2, D150P1 Electronic
Class A1
Piston Speed — ft/sec (m/sec) 25.0 (7.62)
Engine speed — rpm 1800
Air Cleaner Type Dry, replaceable paper
element type with restriction indicator
Regenerative Power — kW 16.2
D90P1 — 1006TG1A
Max Power at Rated rpm — hp (kW)
Standby 152 (113)
Prime 136 (102)
BMEP — psi (kPa)
Standby 183 (1259)
Prime 164 (1133)
Aspiration Turbocharged

RATING DEFINITIONS

Standby — Applicable for supplying continuous electrical power (at variable load) in the event of a utility power failure. No overload is permitted on these ratings. The generator is peak rated (as defined in ISO8528-3).

D100P1 — 1006TG2A

Max Power at Rated rpm — hp (kW)
Standby 166 (124)
Prime 151 (112)
BMEP — psi (kPa)
Standby 202 (1393)
Prime 182 (1253)
Aspiration Turbocharged

D100P2 — 1006-6T

Max Power at Rated rpm — hp (kW)
Standby 166 (124)
Prime 150 (112)
BMEP — psi (kPa)
Standby 200 (1376)
Prime 182 (1253)
Aspiration Turbocharged

D125P1 — 1006TAG

Max Power at Rated rpm — hp (kW)
Standby 219 (163)
Prime 201 (150)
BMEP — psi (kPa)
Standby 266 (1836)
Prime 234 (1610)
Aspiration Turbocharged, AA Charge

D125P2 — 1006TA

Max Power at Rated rpm — hp (kW)
Standby 216 (162)
Prime 197 (147)
BMEP — psi (kPa)
Standby 262 (1799)
Prime 238 (1635)
Aspiration Turbocharged, AA Charge

D150P1 — 1006TAG1

Max Power at Rated rpm — hp (kW)
Standby 219 (163)
Prime N/A
BMEP — psi (kPa)
Standby 266 (1836)
Prime N/A
Aspiration Turbocharged, AA Charge Cooled



CONTROL PANEL

NEMA 1 steel enclosure with lockable hinged door
Vibration isolated mounted Autostart control panel
Single location customer connector point
Electrical stub-up area directly below control panel

Prime — Applicable for supplying continuous electrical power (at variable load) in lieu of commercially purchased power. There is no limitation to the annual hours of operation and the generator set can supply 10 percent overload power for 1 hour in 12 hours.

Consult your Olympian representative for more information.

www.CAT-ElectricPower.com

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